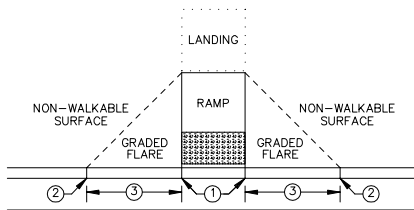
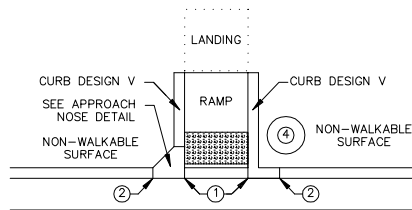


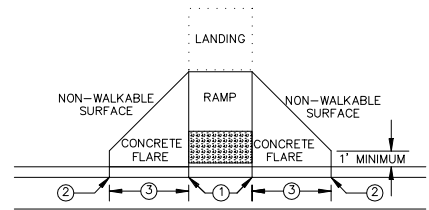
← DIRECTION OF TRAFFIC



GRADED FLARES



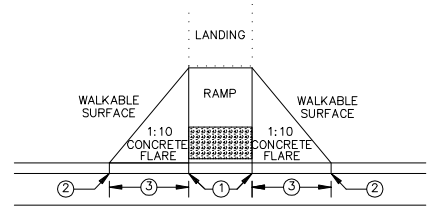
RETURNED CURB



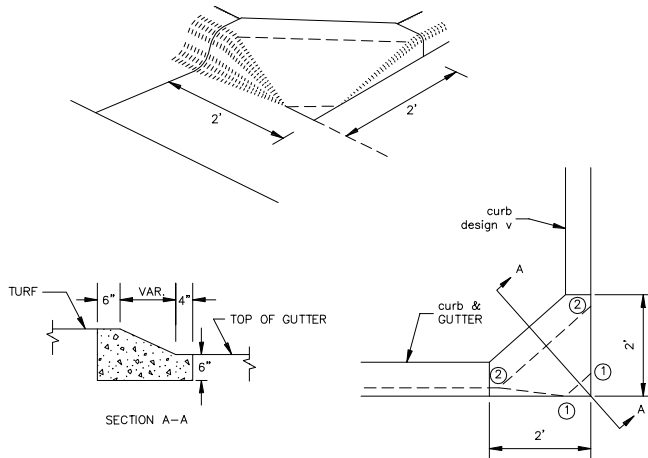
PAVED FLARES

TYPICAL SIDE TREATMENT OPTIONS

SIDE TREATMENTS ARE APPLICABLE TO ALL RAMP TYPES AND SHOULD BE IMPLEMENTED AS NEEDED ON ALL RAMPS AS FIELD CONDITIONS DICTATE. THE ENGINEER SHALL DETERMINE THE RAMP SIDE TREATMENTS BASED ON MAINTENANCE OF BOTH ROADWAY AND SIDEWALK, ADJACENT PROPERTY CONSIDERATIONS, AND MITIGATING CONSTRUCTION IMPACTS.

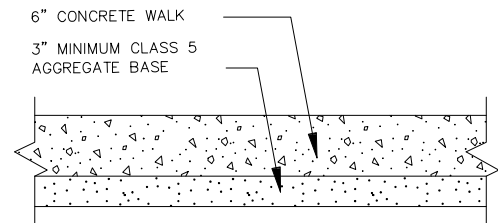


PAVED FLARES



APPROACH NOSE DETAIL
(to BE USED ON DOWNSTREAM SIDE OF TRAFFIC)

APPROACH NOSE PAID FOR AS 2' V CURB AND 2' CURB AND GUTTER.

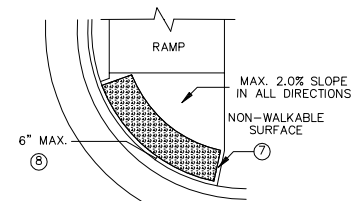


TYPICAL SIDEWALK SECTION AT QUADRANT

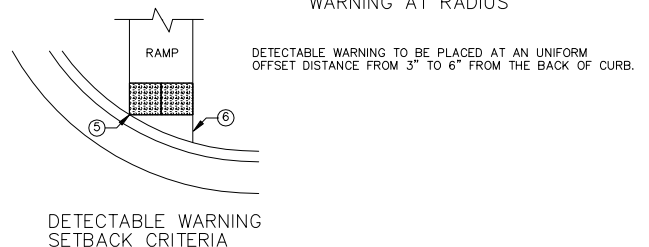
NOTES:

USE 6" CONCRETE WALK UP TO EXISTING SIDEWALK GRADES FOR ALL RAMP AND LANDING AREAS.
WHETHER A SURFACE IS WALKABLE OR NOT SHALL BE DETERMINED BY THE ENGINEER.
FLARE LENGTHS SHOULD BE LESS THAN 8' LONG MEASURED ALONG THE RAMPS FROM THE BACK OF CURB.

- ① 0" CURB HEIGHT.
- ② FULL CURB HEIGHT.
- ③ SHALL BE 1:10 WHEN ADJACENT TO WALKABLE SURFACES, A PAVED FLARE SHOULD BE 2' WHEN ADJACENT TO NON-WALKABLE SURFACES WHILE A GRADED FLARE SHOULD BE 1:6.
- ④ IMMOVABLE OBJECT OR OBSTRUCTION.
- ⑤ DETECTABLE WARNING SHALL HAVE ONE CORNER 3" FROM THE BACK OF CURB.
- ⑥ SHALL BE 2' MAXIMUM OFFSET WHEN ADJACENT TO WALKABLE SURFACE AND 5' MAXIMUM OFFSET WHEN ADJACENT TO NON-WALKABLE SURFACE.
- ⑦ WHEN NO FLARES ARE PROPOSED, THE CONCRETE WALK SHALL BE FORMED AND CONSTRUCTED PERPENDICULAR TO THE BACK OF CURB. MAINTAIN 3" BETWEEN EDGE OF DOMES AND EDGE OF CONCRETE.
- ⑧ IF NO CURB AND GUTTER IS PLACED IN RURAL SECTIONS DETECTABLE WARNING SHOULD BE PLACED 1' FROM THE EDGE OF ROADWAY TO PROVIDE CONCRETE BORDER.



RADIAL DETECTABLE WARNING AT RADIUS



DETECTABLE WARNING SETBACK CRITERIA

DETECTABLE WARNING PLACEMENT



LAST REVISION
NOVEMBER 2014

PEDESTRIAN CURB RAMP 4 OF 5

CITY OF MAPLE GROVE ENGINEERING
& PUBLIC WORKS DEPARTMENTS

STANDARD
PLATE #
CONC-6